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The Source of the Brook
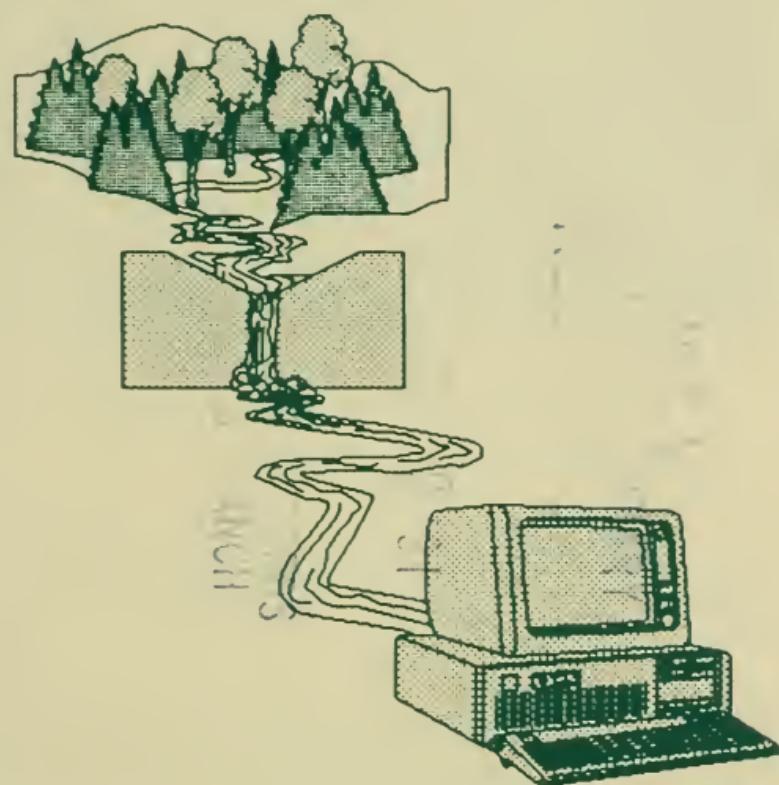
A publicly accessible data base of the Hubbard Brook Ecosystem Study

Computer modem number
603-868-1006

United States Department of Agriculture	PREPARED BY Forest Service	Northeastern Forest Experiment Station NE-INF-89-90 6/90
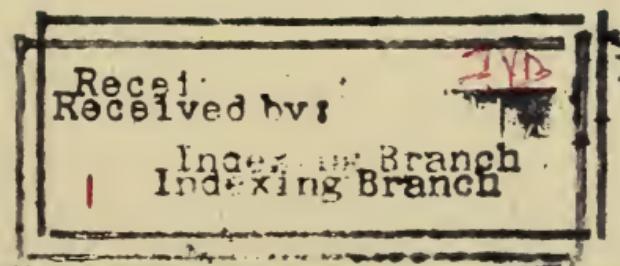
HUBBARD BROOK EXPERIMENTAL FOREST

The Hubbard Brook Experimental Forest (HBEF) is a 3,160 hectare reserve dedicated to the long-term study of forest and stream ecosystems. Located in the White Mountain National Forest of New Hampshire, the HBEF was established in 1955 and is operated by the USDA Forest Service, Northeastern Forest Experiment Station. Beginning in 1963, the Forest Service, Dartmouth College, and later Yale and Cornell Universities and The New York Botanical Garden developed the Hubbard Brook Ecosystem Study. Cooperative efforts among many educational institutions, government agencies, foundations, and private industries continue to produce extensive information on the biology, geology, and chemistry of forest and freshwater ecosystems. Understanding gained from this research aids in the long-term management of natural resources for water supply, water quality, wildlife, timber yield, and sustained forest growth.

THE SOURCE OF THE BROOK

The Source of the Brook (SOTB) provides public access to some of the data collected by the Hubbard Brook Ecosystem Study. Documentation is included with the data. SOTB also includes documentation of other data sets that may be obtained by special request to the originating scientists.

SOTB is a PC-compatible bulletin board system with the following characteristics:

User equipment needed: PC-compatible micro-computer running PC-DOS or MS-DOS, a modem, and communications software. It is necessary to know certain characteristics about your communications software. If you have problems, please contact the Hubbard Brook Data Manager (603-868-5692).

Telephone number: 603-868-1006

Time available: 24 hours/day, except during computer or file maintenance.

**Baud rate:** 300, 1200, or 2400

Parity etc.: 8-bit words, no parity, 1 stop bit

Line terminator: CRLF

Documentation files on SOTB are ASCII files that can be read online or copied (downloaded, see below). Data files are in unreadable compressed form (ARC'ed). They must be downloaded, then un-ARC'ed using the PKXARC program (see below).

Publications which use data from SOTB must include the following paragraph:

Some data used in this research was obtained by scientists of the Hubbard Brook Ecosystem Study; this publication has not been reviewed by those scientists. The Hubbard Brook Experimental Forest is operated and maintained by the Northeastern Forest Experiment Station, U.S. Department of Agriculture, Radnor, Pennsylvania.
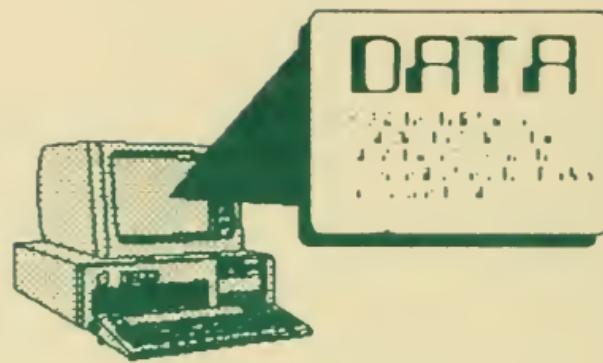
BULLETIN BOARD OPERATION

Users familiar with bulletin board systems need only know that **F** at the Main Menu gets you to the File Menu and **A** at the File Menu allows you to change among subject areas.

The following instructions should help those who have not had experience with bulletin boards. You should capture the information to a file as it is typed on your screen. In Procomm, for example, Alt-F1 starts the capture process.
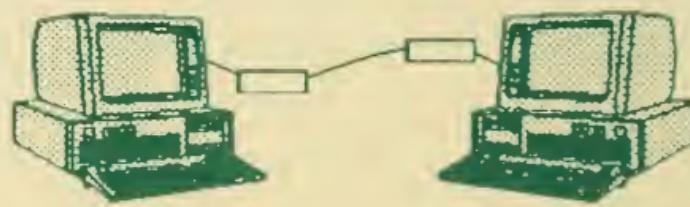
Once you reach the computer, you will be asked for your name, city, and state and your selected password. Please note that when you are asked a question followed by the answer option in brackets (e.g. [Y,n,?]) the default answer is the capital letter. If you want this option simply hit the return key.

You will be asked if your terminal is ANSI standard. If you do not know, say NO. If you have set DEVICE = ANSI.SYS on your computer and say YES, but the menus come with characters like this:]]]]]3]]2, type **C** at the first menu (to change setup), then **G** at the second menu (to turn off ANSI graphics).

**The bulletin board has two sections:
The Main Menu and the File Section.**

The main menu looks like this:

MAIN MENU

F)ile section	G)oodbye	S)tatus
A)ns Questions	B)ulletin	Y)ell at sysop
C)hange setup	V)ersion	E)xtra Info
U)ser list/search		

          TYPE THE CAPITAL LETTER
          TO SELECT THAT ITEM

Example commands:

F gives the FILE MENU (below). The file section
contains all data and documentation files.

C gives the change setup menu. Each command is a
toggle switch, so as soon as you type that letter that
option is either activated or inactivated. **M** toggles 24
line scrollings.

Y rings a bell at both computers. If the Data Manager is
around, SOTB can be put in chat mode to discuss any
problems you are having.

G will log you off, with the option of leaving a message.
After typing the message choose **S**(ave) to send it.

The file menu looks like this:

FILE MENU

A)rea change	**F**)ile titles	**T**)ype (show)
G)oodbye	**U**)pload	**D**)ownload
S)tatistics	**M**)ain menu	**C**)ontents

The File section is divided into areas according to research topics. Each area contains documentation and data.

Type:
A to list areas or change area
F to list files within an area
C to list files within an ARC file
T to display the contents of a TXT file

The following areas are available:

3) Streamflow: daily streamflow from eight Hubbard Brook watersheds. 1956-present.
4) Precipitation: daily precipitation by watershed. 1956-present.
5) Radiation: daily solar radiation. 1960-present.
6) Temperature: daily min, max, and mean temps from up to five stations. 1956-present.
7) Utilities: PKXARC.COM
8) Documents: site descriptions, other documents.
9) Weather - Snow, Wind, Humidity
10) Vegetation
11) Precipitation Chemistry
12) Soil
13) Stream Chemistry
14) Wildlife
15) EDEX
16) Interval Streamflow: watershed 3. 1957-present.
17) JARS